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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/933,321	08/20/2001	Vikram Kapoor	CS11343	7056

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MOTOROLA INC
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EXAMINER

AMINZAY, SHAIMA Q

ART UNIT	PAPER NUMBER
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2684

DATE MAILED: 06/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/933,321

Applicant(s)

KAPOOR ET AL

Examiner

Shaima Q. Aminzay

Art Unit

2684

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 January 2005.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-7 and 16-20 is/are allowed.
- 6) ☒ Claim(s) 11 and 13 is/are rejected.
- 7) ☒ Claim(s) 8-10, 12, 14 and 15 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 September 2001 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Response to Amendment

The following office action is in response to Amendment, filed on April 15, 2005.

Claims 1-20 are pending.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action

(a) Patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made

1. Claims 8-10, 12, and 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ugge (Ugge et al. U. S. Patent number 5,781,850) in view of Yamamoto (Yamamoto Publication No. 200/20142,803).

Regarding claim 8, Ugge discloses an audiocassette adapter for coupling a mobile electronic device to an audiocassette player (see for example, Figures 1-2, and 4, column 1, lines 6-7, 15-21, 41-50, column 2, lines 25-33, 37-39, the audiocassette adapter coupling a cellular (mobile electronic device), comprising:

a cassette head coupling device (see for example, Figure 1, and column 2, lines 25-31, the dummy cassette housing performs cassette head coupling device function); a mobile electronic device input coupled to the cassette head coupling device (see for example, Figure 1, column 2, lines 11-19, and column 3, lines 41-43 the cellular (mobile electronic device) coupling device having audio input coupled to the cassette head coupling device), an audiocassette player command signal generator (see for example, column 1, lines 15-21, column 3, lines 9-16, column 4, lines 5-9, and lines 33-40, the audiocassette player is being controlled by the control mechanism, inherently command signal generates to execute functions); and a control signal output coupled to the audiocassette player command [signal generator] (column 5, lines 41-49, inherently signal coupling the request signal for driving tape is being performed by a signal generator).

Ugge does not specifically disclose a signal generator.

In related art dealing with mobile communication terminal and accessory such as audio device (see for example, paragraph [0001], lines 1-8), Yamamoto discloses an audiocassette player command signal generator (see for example, paragraph [0014], lines 1-11; command generator of car electronics includes audio), and a control signal output coupled to the audiocassette player command commands signal generator (see for example, paragraph [0014], lines 1-11; command generator of car electronics includes audio; paragraph [0040], lines 7-10).

It would have been obvious to one of ordinary skill in the art at the time invention was made to include Yamamoto's audio signal command generator ((see for example, paragraph [0014], lines 1-11, paragraph [0040], lines 7-10) with Ugge's audiocassette adapter for coupling a mobile wireless communication station to an audiocassette player (see for example, Figures 1-2, and 4, column 2, lines 25-33, 37-39, column 1, lines 6-7, 15-21, 41-50) to provide an audiocassette adapter for coupling a mobile wireless communication station to an audiocassette player with audio signal command function, and to provide a low cost hand-free device (Yamamoto, paragraph [0005], lines 1-6).

Regarding claim 9, Ugge in view of Yamamoto teach claim 8, and further, Ugge teaches the audiocassette player command signal generator for outputting unique control signals in response to corresponding audiocassette player commands (see for example, column 5, lines 45-49, for example functions such as disabling (stop), recording and playing).

Regarding claim 10, Ugge in view of Yamamoto teach claim 8, and further, Ugge teaches the audiocassette player command signal generator comprising a rotational transducer with a transducer output coupled to the control signal output of the audiocassette adapter (see for example, column 1, lines 15-21).

Regarding claim 12, Ugge in view of Yamamoto teach claim 8, and further,

Ugge teaches a cassette head actuatable switch with a switch output coupled to the control signal output of the audiocassette adapter (see for example, column 2, lines 49-57, column 3, lines 9-16, column 4, lines 45-47, and column 5, lines 62-65).

Regarding claims 14 and 15, Ugge in view of Yamamoto teach claim 8, and further, Ugge teaches an cassette head actuatable switch (see for example, column 2, lines 49-57, column 3, lines 9-16, column 4, lines 45-47, and column 5, lines 62-65), and the audiocassette player command signal generator comprising a rotational transducer (see for example, column 2, lines 49-57, column 3, lines 9-16, the transducer), a switch output of the audiocassette player head actuatable switch coupled to an input of the logic device (see for example, column 2, lines 49-57, column 3, lines 9-16, column 4, lines 45-47, and column 5, lines 62-65), and further, Yamamoto teaches the logic device and the control signal output (Yamamoto, see for example, Figure 2 (10), and paragraph [0039], lines 1-5).

Allowable Subject Matter

2. Claims 1-7, and 16-20 are allowable.

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3. Claims 11 and 13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The prior art specifically Ugge and Yamamoto failed to render obviousness in combination or individually and failed to anticipate individually the following underlined limitations:

“the audiocassette player command signal generator comprising a rotatable spur gear having a conductive portions separated by nonconductive portions, first and second slide contacts contacting the rotatable spur gear” as disclosed in claim 11.

“the audiocassette player command signal generator comprising a momentary switch including first and second contacts, one of the first and second contacts disposed on a spring biased cassette head actuatable member” as disclosed in claim 13.

These limitations, in combination with the other limitations recited in the independent claims are not anticipated or suggested by the prior art.

Response to Arguments

Note: This office action has been restructured for clarity. Examiner did not change the ground of rejection; but has changed the argument of the rejection to reflect the

amendment.

4. Arguments with respect to claims 1-7, 11, 13, and 16-20 are moot in view of indicating that they are allowable subject matter.
5. Applicant's arguments with respect to claims 8-10, 12, and 14-15 under 103(a) Rejection has been fully considered, but they are not persuasive.

The applicant's argued the features in the claims (claims 8-10, 12, and 14-15), i.e., providing an audiocassette adapter for coupling to a mobile electronic device and to an audiocassette player including a cassette head coupling device and a mobile electronic device input coupled to the cassette head coupling device and an audiocassette player command signal generator, and a control signal output coupled to the audiocassette player command signal generator to be established read upon Ugge (Ugge et al. U. S. Patent number 5,781,850) in view of Yamamoto (Yamamoto Publication No. 200/20142,803) as follows:

Ugge discloses an audiocassette adapter for coupling a mobile electronic device to an audiocassette player (see for example, Figures 1-2, and 4, column 1, lines 6-7, 15-21, 41-50, column 2, lines 25-33, 37-39, the audiocassette adapter coupling a cellular (mobile electronic device), comprising: a cassette head coupling device (see for example, Figure 1, and column 2, lines 25-31, the dummy cassette housing performs cassette head coupling device function); a

mobile electronic device input coupled to the cassette head coupling device (see for example, Figure 1, column 2, lines 11-19, and column 3, lines 41-43 the cellular (mobile electronic device) coupling device having audio input coupled to the cassette head coupling device), an audiocassette player command signal generator (see for example, column 1, lines 15-21, column 3, lines 9-16, column 4, lines 5-9, and lines 33-40, the audiocassette player is being controlled by the control mechanism, inherently command signal generates to execute functions); and a control signal output coupled to the audiocassette player command [signal generator] (column 5, lines 41-49, inherently signal coupling the request signal for driving tape is being performed by a signal generator). Ugge does not specifically disclose a signal. However, In related art dealing with mobile communication terminal and accessory such as audio device (see for example, paragraph [0001], lines 1-8), Yamamoto discloses an audiocassette player command signal generator (see for example, paragraph [0014], lines 1-11; command generator of car electronics includes audio), and a control signal output coupled to the audiocassette player command commands signal generator (see for example, paragraph [0014], lines 1-11; command generator of car electronics includes audio; paragraph [0040], lines 7-10).

Ugge and Yamamoto are both analogous to the applicants teaching, that's why they do obviate.

Therefor, Examiner believes the claims are broad enough to include Yamamoto's audio signal command generator ((see for example, paragraph

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[0014], lines 1-11, paragraph [0040], lines 7-10) with Ugge's audiocassette adapter for coupling a mobile wireless communication station to an audiocassette player.

The rejection is maintained.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

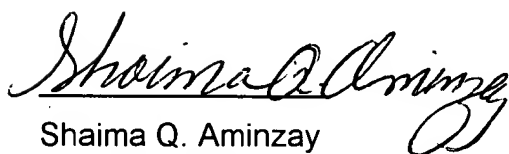
A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

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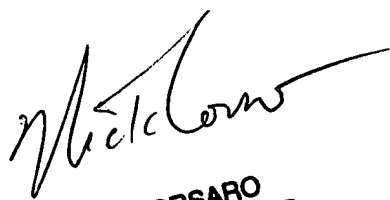
Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shaima Q. Aminzay whose telephone number is 703-305-8723. The examiner can normally be reached on 7:00 AM -5:00 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 703-308-7745. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Shaima Q. Aminzay
(Examiner)


NICK CORSARO
PRIMARY EXAMINER

Nay Maung
(SPE)
Art Unit 2684

Jun 5, 2005